

WHAT IS CLAIMED IS:

1. An antigen composition comprising a fluid fraction from an *E. rhusiopathiae* culture and a stabilizing agent.
- 5 2. The antigen composition of Claim 1, wherein said stabilizing agent is a metal hydroxide, a metal phosphate, an aluminum hydroxide gel, an aluminum phosphate gel, a calcium phosphate gel, a zinc hydroxide/calcium hydroxide gel or an alum.
3. The antigen composition of Claim 1, wherein said *E. rhusiopathiae* culture is inactivated.
- 10 4. The antigen composition of Claim 3, wherein said *E. rhusiopathiae* culture is inactivated with formalin or with beta propiolactone.
5. The antigen composition of Claim 1, wherein said fluid fraction is concentrated by about 3 fold to about 30 fold.
- 15 6. A vaccine composition comprising an antigen composition of Claim 1 and an adjuvant composition.
7. A vaccine composition according to Claim 6 wherein the adjuvant composition comprises from about 0.25% to about 12.5% v/v of a lecithin, from about 1% to about 23% v/v of an oil and from about 1.5% to about 6% v/v of an amphiphilic surfactant in said vaccine composition.
- 20 8. A method of making an antigen composition comprising adding a stabilizing agent to a fluid fraction from an *E. rhusiopathiae* culture.
9. A method of vaccinating an animal comprising administering to the animal an effective amount of the antigen composition of Claim 1.
10. A method of vaccinating an animal according to Claim 24 wherein the animal
- 25 is a pig.
11. A method of vaccinating an animal comprising administering to the animal an effective amount of a vaccine composition of Claim 6.

add  
B<sub>1</sub>

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C<sub>16</sub>

add  
D<sub>2</sub>